

## FIG. 1 PRIOR ART

|            |
|------------|
| TL1        |
| X.226      |
| X.225      |
| TP4        |
| CLNP/IS-IS |
| LAPD       |
| DCC        |

FIG. 1 PRIOR ART

FIG. 2 PRIOR ART

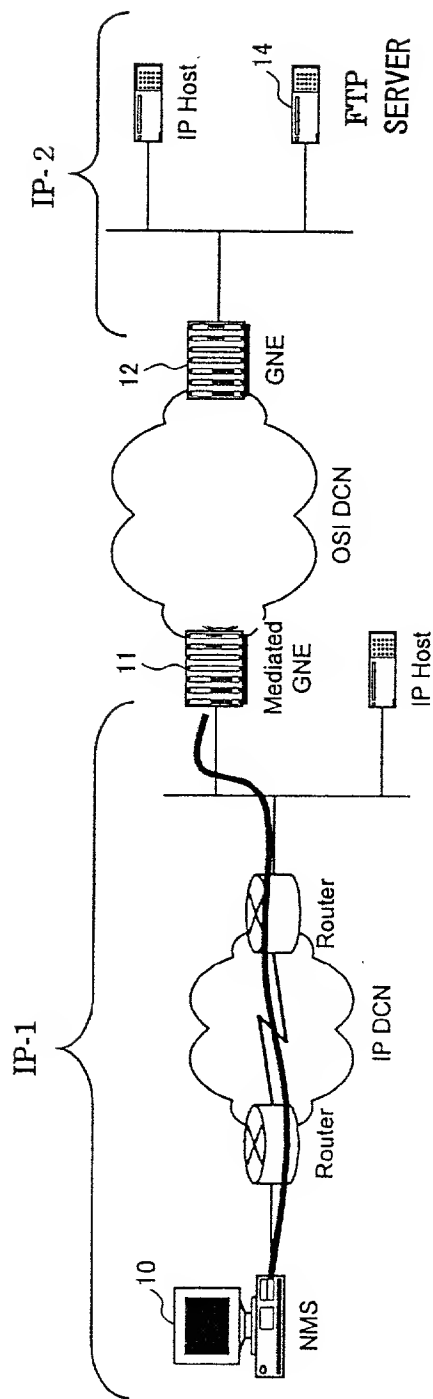
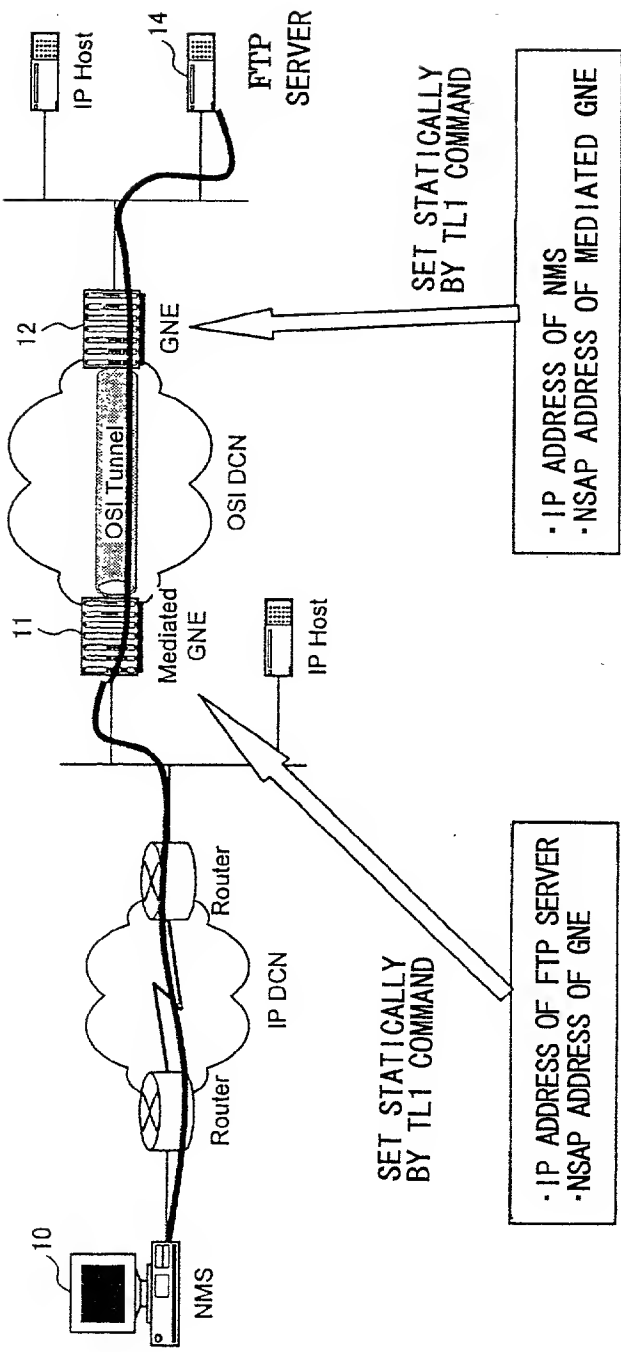


FIG. 3 PRIOR ART



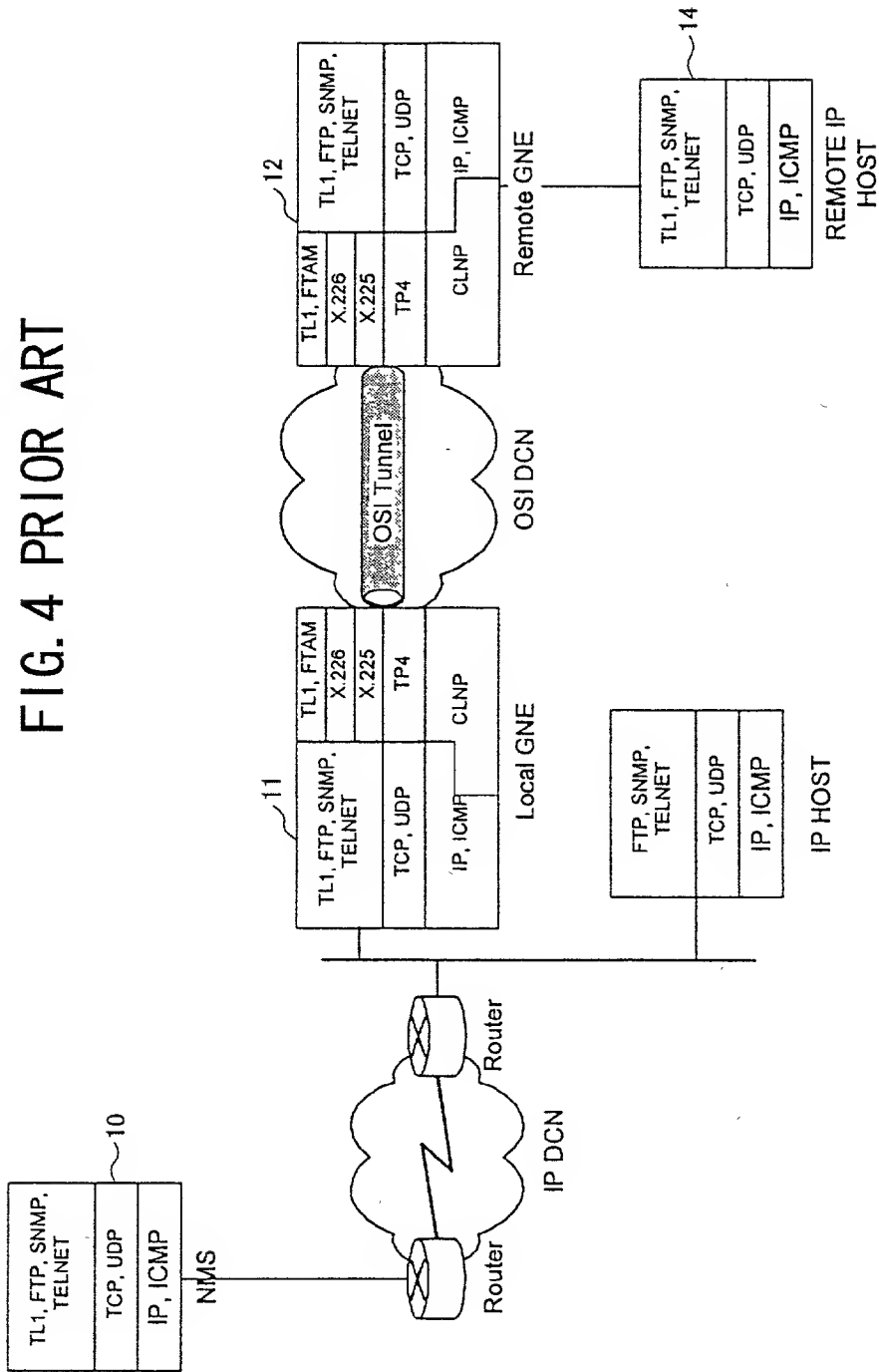


FIG. 5

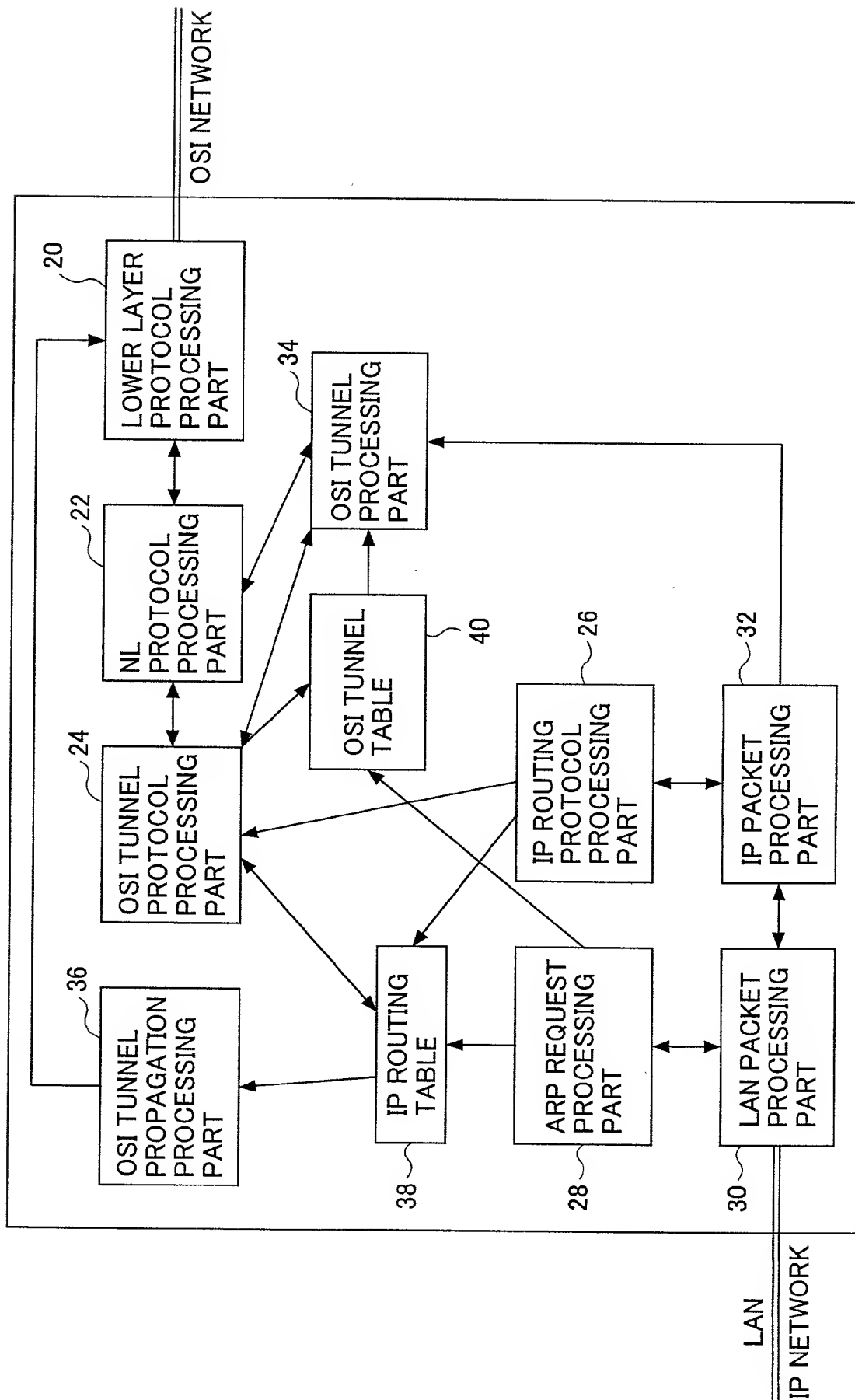


FIG.6

| OFFSET | FIELD NAME                              |                               |
|--------|---|-------------------------------|
| +0     | NETWORK LAYER PROTOCOL IDENTIFIER(0x??) | ... PROTOCOL ID OF ISO8473    |
| +1     | LENGTH                                  | ... DATA LENGTH               |
| +2     |   |                               |
| +3     |   | ... VERSION OF PROTOCOL       |
| +4     | LIFETIME                                | ... LIFETIME OF PDU           |
| +5     | PDU TYPE(0x01)                          |                               |
| +6     | VERSION                                 | ... VERSION OF PDU TYPE       |
| +7     | RESERVE                                 |                               |
| +8     | SOURCE NSAP ADDRESS                     |                               |
| +27    | NUMBER OF REACHABLE NETWORK ADDRESS     |                               |
| +28    | NETWORK ADDRESS #1                      | ... REACHABLE NETWORK ADDRESS |
| +29    | METRICS #1                              | ... METRICS TO NETWORK        |
| :      | :                                       |                               |
| +27+2n | NETWORK ADDRESS #n                      |                               |
| +28+2n | METRICS #n                              |                               |
| +29+2n | HOLDING TIME                            |                               |

FIG.7

| OFFSET | FIELD NAME                 |     |
|--------|----------------------------|-----|
| +0     | PROTOCOL IDENTIFIER (0x01) | ... |
| +1     | LENGTH                     | ... |
| +2     |                            | ... |
| +3     | RESERVED                   | ... |
| +4     | SOURCE NSAP ADDRESS        | ... |
| +24    | REACHABLE NETWORK ADDRESS  | ... |
| +28    | NETWORK MASK               | ... |
| +29    | METRICS                    | ... |
| +30    | DELETE FLAG                | ... |
| +31    | RESERVED                   | ... |

... AUTOMATIC OSI TUNNEL PROTOCOL ID  
... DATA LENGTH

FIG.8

| OFFSET | FIELD NAME                 |  |
|--------|----------------------------|--|
| +0     | PROTOCOL IDENTIFIER (0x02) |  |
| +1     | LENGTH                     |  |
| +2     |                            |  |
| +3     | RESERVED                   |  |
| +4     | SOURCE NSAP ADDRESS        |  |
| +24    | REACHABLE NETWORK ADDRESS  |  |
| +28    | NETWORK MASK               |  |
| +29    | METRICS                    |  |
| +30    | DELETE FLAG                |  |
| +31    | STATUS (0x00/0x01)         |  |

...

AUTOMATIC OSI TUNNEL PROTOCOL ID

...

DATA LENGTH



FIG.9

| OFFSET | FIELD NAME                 |                                  |
|--------|----------------------------|----------------------------------|
| +0     | PROTOCOL IDENTIFIER (0x03) | ...                              |
| +1     | LENGTH                     | AUTOMATIC OSI TUNNEL PROTOCOL ID |
| +2     |                            | DATA LENGTH                      |
| +3     | RESERVED                   |                                  |
| +4     | SOURCE NSAP ADDRESS        |                                  |
| +24    | REACHABLE NETWORK ADDRESS  |                                  |
| +28    | NETWORK MASK               |                                  |
| +29    | METRICS                    |                                  |

FIG.10

| OFFSET | FIELD NAME                      |     |
|--------|---------------------------------|-----|
| +0     | PROTOCOL IDENTIFIER (0x04)      | ... |
| +1     | LENGTH                          | ... |
| +2     |                                 | ... |
| +3     | RESERVED                        | ... |
| +4     | SOURCE NSAP ADDRESS             | ... |
| +24    | REACHABLE NETWORK ADDRESS       | ... |
| +28    | NETWORK MASK                    | ... |
| +32    | METRICS                         | ... |
| +33    | STATUS (SUCCESS:0x00/FAIL:0x01) | ... |

... AUTOMATIC OSI TUNNEL PROTOCOL ID  
... DATA LENGTH

FIG.11

| OFFSET | FIELD NAME                 |     |
|--------|----------------------------|-----|
| +0     | PROTOCOL IDENTIFIER (0x05) | ... |
| +1     | LENGTH                     | ... |
| +2     |                            | ... |
| +3     | RESERVED                   | ... |
| +4     | SOURCE NSAP ADDRESS        | ... |
| +24    | REACHABLE NETWORK ADDRESS  | ... |
| +27    | NETWORK MASK               | ... |
| +28    | METRICS                    | ... |
| +29    | RESERVED                   | ... |

... AUTOMATIC OSI TUNNEL PROTOCOL ID  
... DATA LENGTH

FIG.12

| OFFSET | FIELD NAME                        |     |
|--------|-----------------------------------|-----|
| +0     | PROTOCOL IDENTIFIER (0x06)        | ... |
| +1     | LENGTH                            | ... |
| +2     |                                   | ... |
| +3     | RESERVED                          | ... |
| +4     | SOURCE NSAP ADDRESS               | ... |
| +24    | REACHABLE NETWORK ADDRESS         | ... |
| +28    | NETWORK MASK                      | ... |
| +32    | METRICS                           | ... |
| +33    | STATUS (ACTIVE:0x00/INACTIVE0x01) | ... |

... AUTOMATIC OSI TUNNEL PROTOCOL ID  
... DATA LENGTH

FIG. 13

| NO. | REACHABLE NETWORK ADDRESS | NETWORK MASK | NSAP ADDRESS | STATUS | DELETABLE |
|-----|---------------------------|--------------|--------------|--------|-----------|
| 1   |                           |              |              |        |           |
| :   |                           |              |              |        |           |
| :   |                           |              |              |        |           |
| N   |                           |              |              |        |           |

# FIG.14

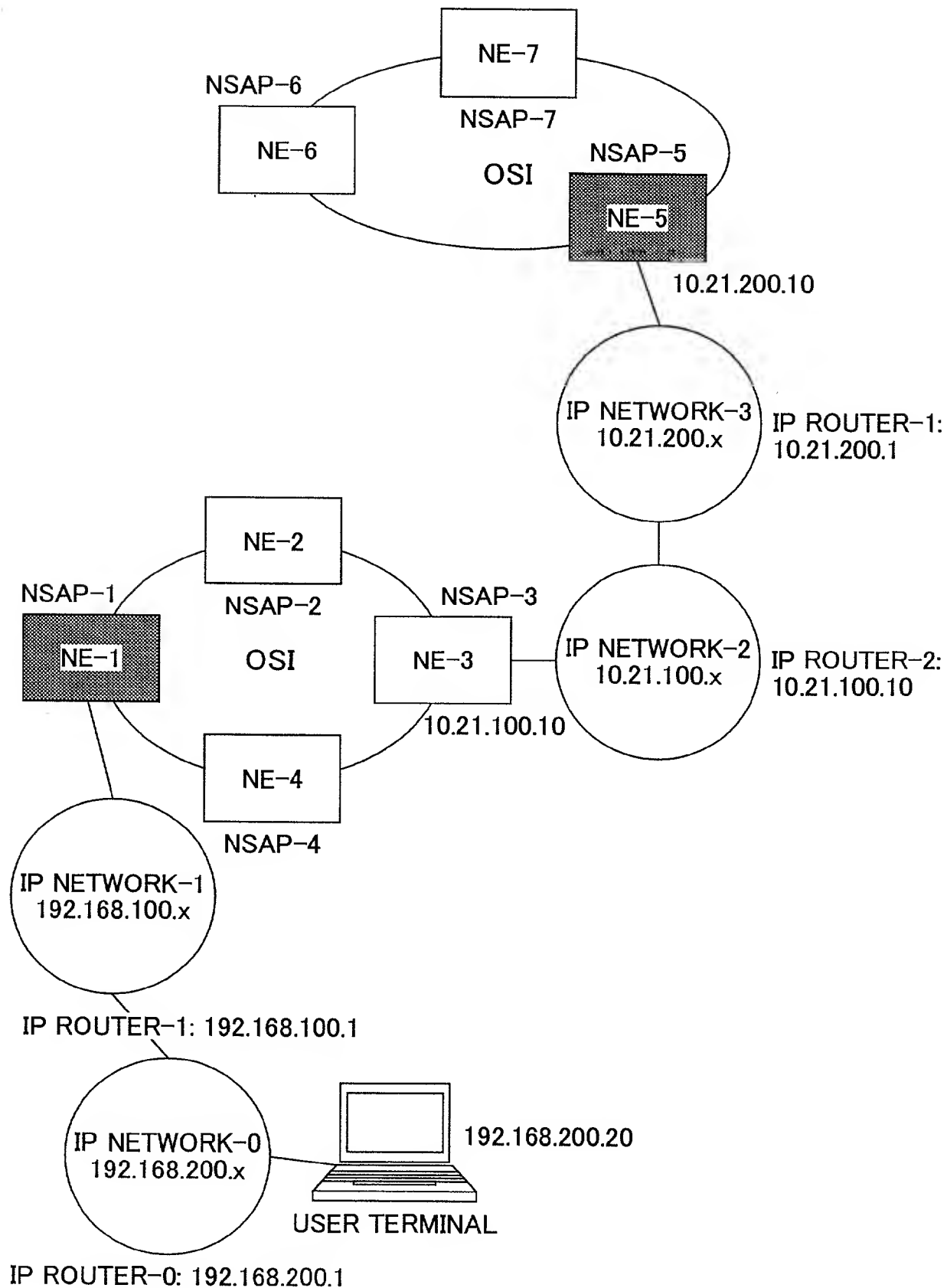


FIG.15

IP ROUTING TABLE

| NO. | REACHABLE NETWORK ADDRESS | NETWORK MASK  | ROUTER IP ADDRESS | METRICS |
|-----|---------------------------|---------------|-------------------|---------|
| 1   | 10.21.100.0               | 255.255.255.0 | 10.21.100.10      | 1       |
| 2   | 10.21.200.0               | 255.255.255.0 | 10.21.100.10      | 2       |
| 3   |                           |               |                   |         |

FIG.16

OSI TUNNEL TABLE

| NO. | REACHABLE NETWORK ADDRESS | NETWORK MASK  | NSAP ADDRESS | STATUS   |
|-----|---------------------------|---------------|--------------|----------|
| 1   | 10.21.100.0               | 255.255.255.0 | NSAP-3       | INACTIVE |
| 2   | 10.21.200.0               | 255.255.255.0 | NSAP-3       | INACTIVE |
| 3   |                           |               |              |          |
| 4   |                           |               |              |          |
| 5   |                           |               |              |          |



FIG.17

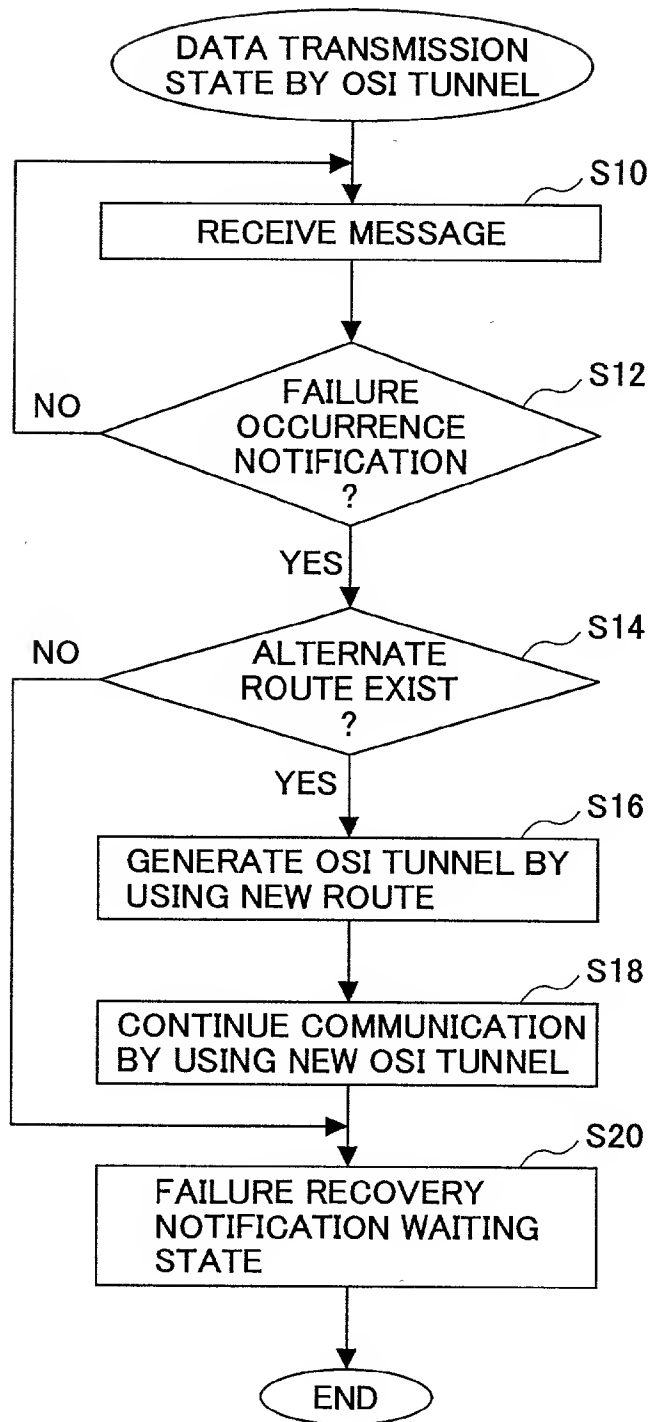


FIG.18

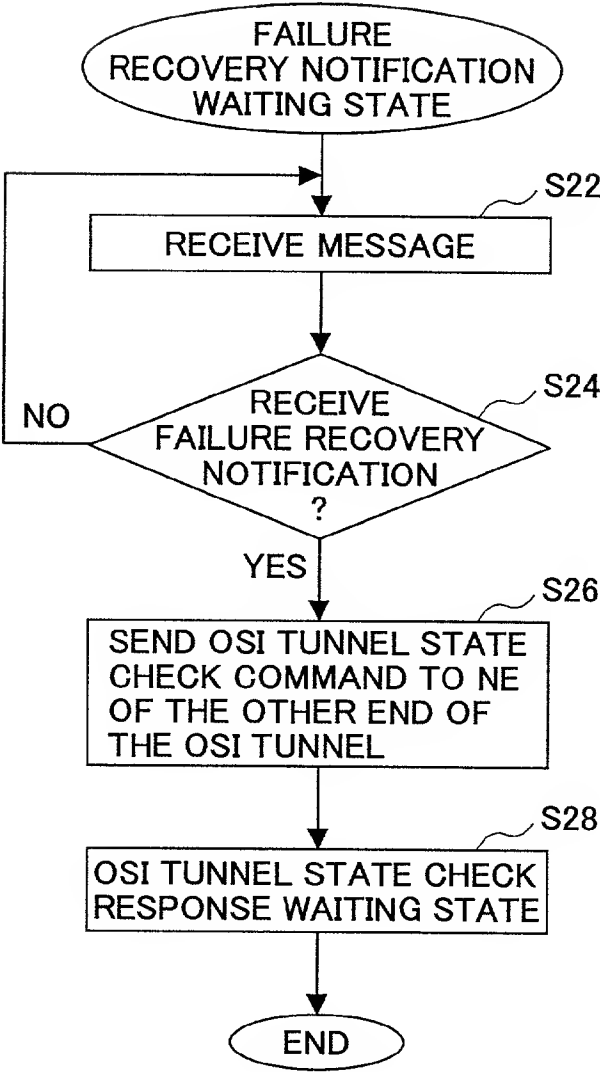


FIG.19

